



주식회사 옥시백
OXYVAC MEDICAL INSTRUMENT CO., LTD.

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INNOBIZ

KFDA Reg. No. 944
KGMP No. MGK-114



Medical Gas Supply Equipment & Device Eye Care System



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OXYVAC MEDICAL INSTRUMENT CO., LTD.

CORPORATION PROFILE



Oxyvac medical instrument was established in June, 2000. Now it is certified by international certificates CE 1293, ISO 13485 and is listed in KFDA (KGMP) as company-supplier of medical of central gas supply products.

Our company provides high-quality products and competitive price to customers, supplying various gas (Oxygen, Medical Air, Vacuum, N2O etc.) supply equipment products of international standard.

Customer Service

High-skilled specialists are always ready to answer your questions and consult you if there is any technological problem.

Commitment to Quality

Oxyvac is widely recognized as provider of durable, high quality products at a fair price and 100% of products are tested.



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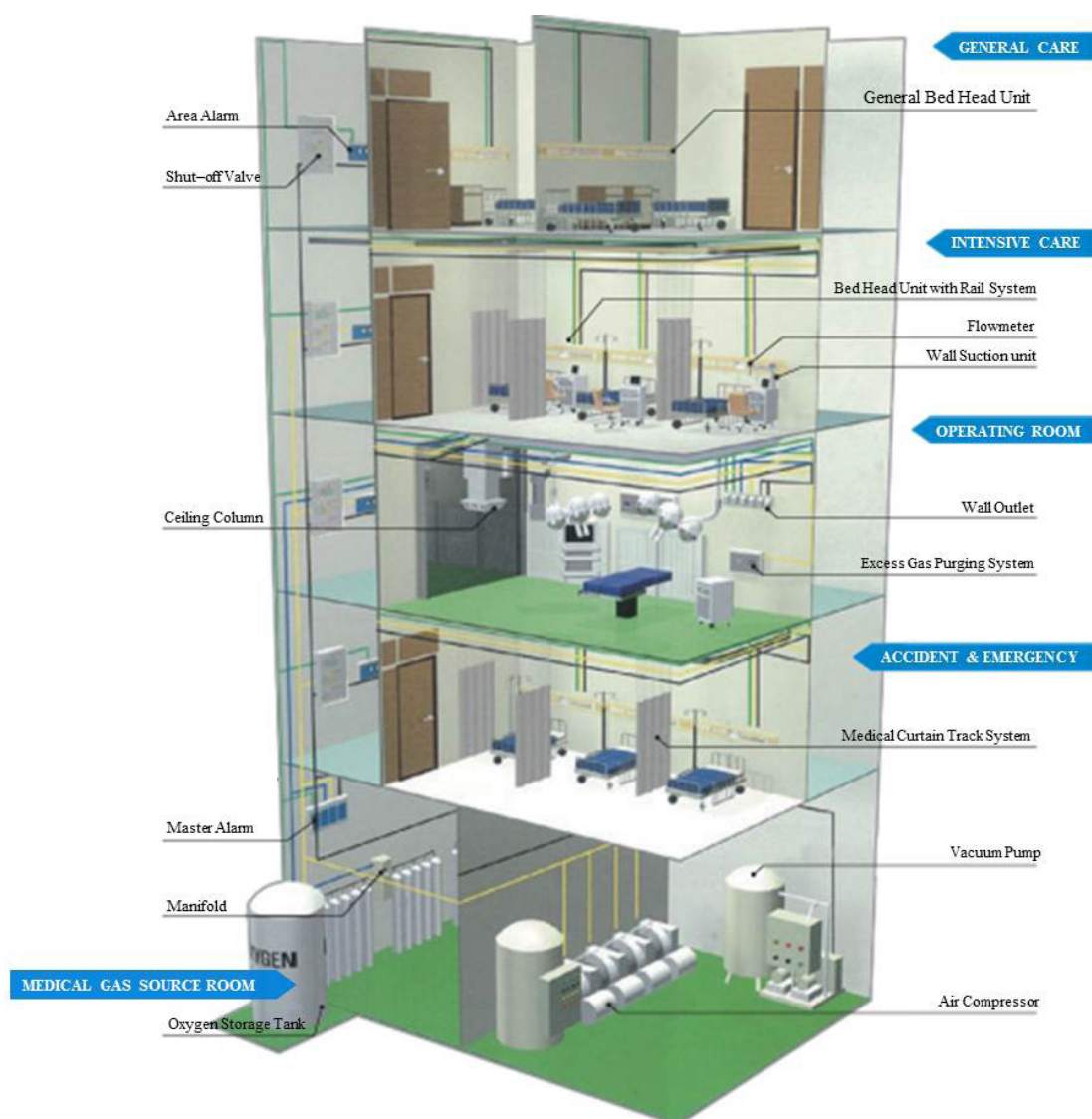
HISTORY OF OXYVAC INC. (BASED ON JAN OF 2012)

- Apr 2000 The Business Incubation Center of Kyung-gi Industry for Residency
- June 2000 The establishment of Oxyvac Inc.
- July 2000 The establishment of the Ilsan factory (978-5 Deogi-dong, Ilsan-gu, Siheung-si, Gyeonggi-do)
- Nov 2000 Acquired the licenses of the Medical Device Manufacturing & the product items of Breathing Apparatus
- Dec 2000 Acquire the license of the product items of the Medical Cutting Apparatus (Seoul No.01-214)
- June 2002 Relocation address of the Main Office (The Business Incubation Center →978-5 Deogi-dong, Ilsan-gu)
- Aug 2002 Acquired the license of the product items of the Medical Suction by the KFDA(Korean Food and Drugs Administration)
- Sept 2002 Acquired ISO 9001 & ISO 13485 Certification
- Sept 2003 Acquired the CE Certification according to the European Standard Specification (Medical Suction, Breathing Apparatus))
- Oct 2003 Officially Registered to FDA of the USA (Registration No.:3004128121)
- Jan 2004 Agreement for Supply with AMVEX of Canada (Medical Gas Outlet & Coupler, Adapter)
- July 2005 Agreement for Supply of the products to Exporter Enterprise of Cuba (Ampleos Enterprise)
- Apr 2007 Relocation of the Main Office & the Factory/ Office Integration (36-22 Wonchang-dong, Seo-gu, Incheon)
- Jan 2008 Selected as a Promising Small and Medium Enterprise by the Shinhan Bank
- Jan 2008 Registered as a Family Company to the Cooperation of the Korea Polytechnic University
- Feb 2008 Certified as a Small and Medium Business Administration (SMBA)
- Feb 2008 Management Innovation of Incheon District
- Feb 2008 Selected as a Promising Exporting Small and Medium-Sized Businesses by the Small and Medium Business Administration (SMBA) Export Assistance Center of Incheon District
- May 2008 Registered as an INNO-BIZ Company
- July 2008 Relocation of the Main Office (36-22 Wonchang-dong →91-10 Wonchang-dong)
- Aug 2008 Acquired License of 3 types of Medical Suction & 1 Type of Breathing Apparatus
- Dec 2008 Appropriate Certification of the Medical Device Manufacturing and Quality Control Standards
- Dec 2008 The Company's capital was increased up to two hundred million won.
- Dec 2008 Certification of the R & D Department
- Jan 2009 Extension of the main office building & relocation expansion (91-10 Wonchang-dong)
- Jan 2010 Certification of the Oxyvac Inc. R & D Center
- Feb 2010 Monitor Device & it's adopted Medical Bed (No.10-0945537)
- Apr 2010 Acquired the License of CE Account according to the European Standard Specification →2 Types of Breathing Apparatus, 4 types of Medial Suction, 1 type of Head Console for the hospital rooms
- July 2010 Acquired the License of the Parts & Materials Company (Medical Device Parts)
- Oct 2010 Vision Improvement Device (Forvision) A Patent Application (10-2010-89795)
- Nov 2010 Manufacturing of the Vision Improvement Device (FORVISUON) trial product.
- Apr 2011 Selected as a resolving business of breaking performance of the close-up corporate site using TRIZ
- Apr 2011 Selected as Overseas Private Network support utilization project
- June 2011 Certified by GOST-R Russian standards
- July 2011 Agreement of International Convention on joint technology development projects (Early diagnosis device of breast disease) →3 years of development period, \$900 million government funding support for research and development
- Oct 2011 Technology cooperation contract concerning "Early diagnosis device of breast disease" with RES Company of Russia
- Oct 2011 Supplier contract concerning "Vision Improvement Device" with RusMedGroup of Russia
- Nov 2011 Certified as an Incheon Company of Vision by the Incheon Metropolitan City
- Nov 2011 Selected as a promising Small and Medium Enterprise (SME) by the Incheon Metropolitan City
- Nov 2011 Awarded letter of appreciation as a Russia Technology Exchange Delegate
- May 2012 Completion of the 1st Primary Assignment of the International Joint Technology Development Project



MEDICAL GAS SUPPLY STRUCTURE

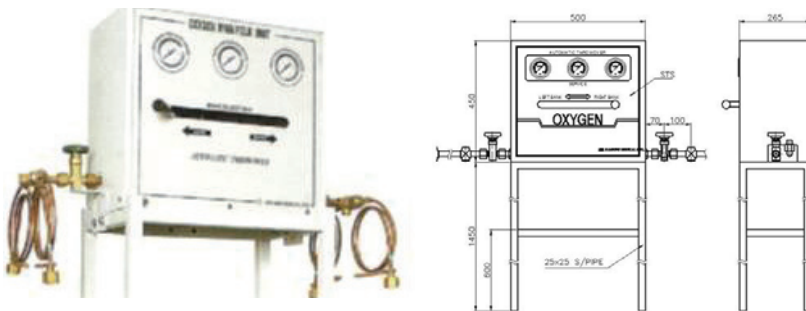
Oxyvac produces vital equipment and accessories, connection with secondary device, that control medical gas, supplied from central mechanism. Product differentiation will satisfy customers needs.





MEDICAL GAS PIPELINE SYSTEM

Manifold System



Semi Automatic Model

- Auto throw-over / free standing
- Dual Line pressure regulator
- High pressure regulator
- Easy to maintenance and installation
- Manual device manifold is also available on request.

Manifold System Feature

- Maximum flow : 140N²/Hr
- Cover : Stainless steel 500x450x1.2t
- Panel : Aluminum 2t color printed PP sheet coating
- Frame : square steel pipe 30x30

Model No.	Medical Gas	Outlet Pressure (kg/cm ²)	Max. Inlet Pressure (kg/cm ²)
ONV-MF-SA-01	O ₂	0 ~ 5	150
ONV-MF-SA-02	N ₂ O	0 ~ 5	150
ONV-MF-SA-05	CO ₂	0 ~ 5	150
ONV-MF-SA-04	N ₂	7 ~ 10	150

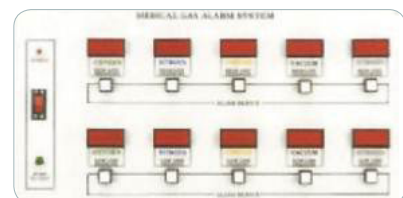
Alarm System

Master Alarm Feature

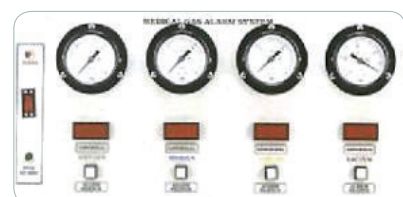
- Wall mounted for concealed piping type
- Medical gas High / Low pressure alarm
- Box : Steel 1.2t baked painting
- Panel : Steel 1.6 baked painting
- Electric : 110V, 220V / AC. 24V DC.0

Area Alarm Feature

- Wall mounted for concealed piping type
- Medical gas abnormal pressure alarm
- Box : Steel 1.2t baked painting
- Panel : Steel 1.6 baked painting
- Electric : 110V, 220V / AC. 24V DC.



Master Alarm

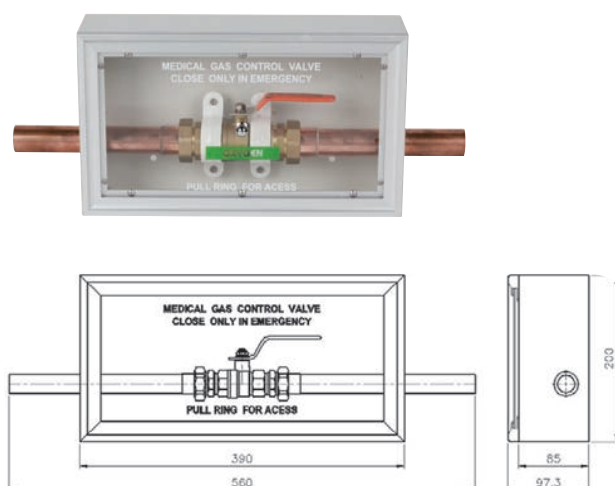


Area Alarm



MEDICAL GAS PIPELINE SYSTEM

Shut Off Valve



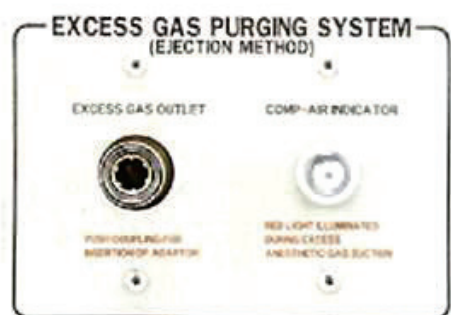
Description

The door frame and window are constructed of anodized aluminum and are mounted by steel back assembly; the removable front window consists of clear poly carbonate and easily replaced without using tools.

Feature

- Wall mounted for concealed piping
- Frame : Square aluminum 12.3x31mm
- Cover : Emergency breakable acryl panel
- Box : Steel 1.2t baked painting
- Pressure : Max. 20kg/cm² / Ball valve – KS D 5301
- Pipe Size : 10A, 15A, 20A, 25A, 32A, 40A, 50A, 65A

Surgical Gas Control Panel



Description

Excess gas purging system is designed to safety remove exhaled anesthetic gas from operating room and this system shall be operated by air pressure with connection of excess gas outlet from anesthesia equipment.

Description

- Wall mounted for concealed piping
- Frame : Square aluminum 12.3x31mm
- Panel : Stainless steel 1.2t baked finished
- Box : Steel 1.2t baked painting
- Inlet excess anesthetic gas & Diss type adap



Exposed Type



Imposed Type

Description

Nitrogen control panel is designed ad an operating room, control center to control the high pressure (Max. 1,380 kPa)

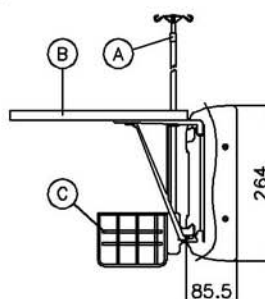
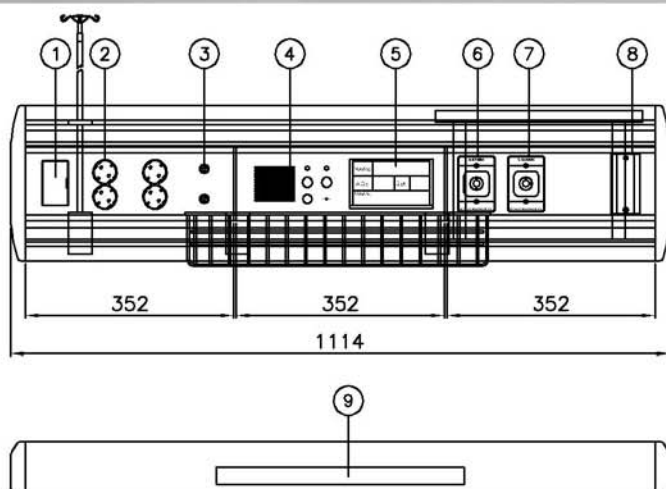
Feature

- Wall mounted for concealed piping
- Supply pressure gauge : 3,330 kPa (34 kgf/cm²)
- Outlet pressure gauge : 1,370 kPa (14 kgf/cm²)



SPECIAL CARE UNIT

Fair Field System (Head Console Type)



Model No.

No.	Medical Gas	Outlet Pressure (kg/cm ²)	Max.
1	FLUORESCENT SWITCH	S.T.D	1
2	220V RECEPTACLE	45 DUPLEX	2
3	GROUND TERMINAL	20A DUPLEX	1
4	NURSE CALL SYSTEM	OPTION	1
5	NAME PLATE	S.T.D	1
6	OXYGEN GAS OUTLET	PIN INDEX PUSH TYPE	1
7	VACUUM OUTLET	PIN INDEX PUSE TYPE	1
8	SLIDE BASE	ALUMINUM ± 2.3	1
9	FLUORESCENT LAMP	220V 20 WATT	1
A	INFUSION PUMP HOLDER	OPTION	1
B	SLIDING MONITOR SHELF	OPTION	1
C	UTILITY BASKET LARGE	OPTION	1

Description

Head console system is designed to compose medical gas (oxygen, air, vacuum, N2O) and its length can be changed according to customer request.

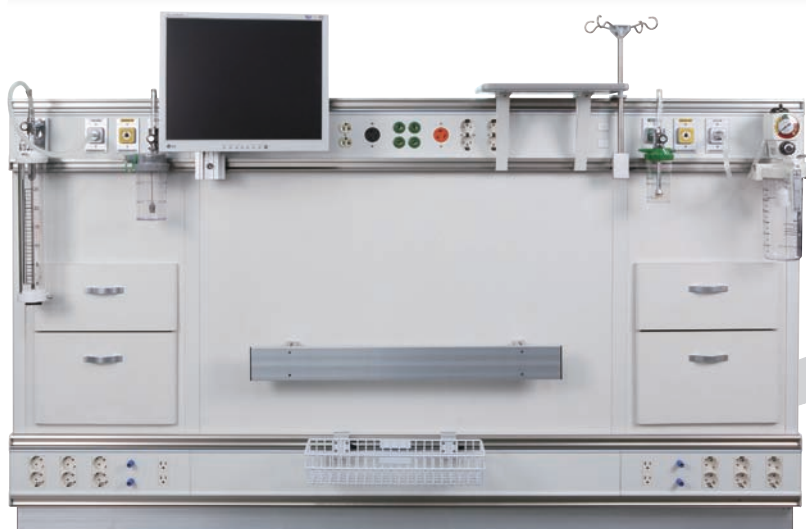
Feature

- Nurse call option can be requested by customer.
- Length of standard : 1,280mm
- Main frame : Aluminum profile 3.0t anodizing finished.
- Panel : aluminum profile 2.3t baked painting
- Cover : Aluminum profile 2.3t
- Upper & Lower accessory rail



SPECIAL CARE UNIT

Desk Wall Special Unit



Description

- Match individually matched according to requirements and needs.
- Durability construction with aluminum profile and laminate panel.
- Color selection to complement your room design.
- Available every application service outlet can be optional fix of hospital requirement.
- Fast, simple, economical installation.

Feature

- Front panel : HPM 16t (Wilson Art).
- Top cover : HPM 30t (Wilson Art).
- Side panel : Steel 2.0t baked painting.
- Main frame : Aluminum profile 30t anodizing finished.
- Bed bumper : Aluminum profile 12t anodizing finished
- Front Panel : HPM 15t (Wilson Art)





CEILING COLUMN FOR OPERATING ROOM

Electric Powered Type



Feature

- Retractable & Turning Head (360 degree)
- Casting Jumbo Head
- Remote control switch

Construction

- Guide Body : AL 5.0t baked painting
- Panel : STS 304 1.5t baked painting
- 110V, 220V Electric Consent Outlet
- Ground Jack
- O₂, N₂O, Air, Vacuum Outlet
- Evacuation Outlet (Option)



Feature

- Retractable & Turning Head (360 degree)
- Plate Jumbo Head
- Up, Down Switch

Construction

- Guide Body : AL 5.0t baked painting
- Panel : STS 304 1.5t baked painting
- 110V, 220V Electric Consent Outlet
- Ground Jack
- LAN Port
- O₂, N₂O, Air, Vacuum pressure gauge
- O₂, N₂O, Air, Vacuum Outlet
- Evacuation Outlet (Option)



FLOWMETER WITH HUMIDIFIER

NB-015 (Bubble Type)

Description

Oxygen supply level is regulated by Knob, rotation of which starts with "click" sound, that differs from other similar products. It is done to avoid the overflow of the oxygen to the patient.

Feature

- Humidification Method : Gas Powered Type
- Medical oxygen with purity of 99.5% or higher
- Standard Pressure : 393 kPa (4.0 ± 0.5 kgf/cm²)
- Use Pressure : 345 kPa (3.5 kgf/cm²)
- Maximum Supply Flow rate : within 60 N LPM
- Humidifier (At 37°C) : 25% at Min. 10 mg/L
- Patient Tubing : 3/16" to 5/16" I.D. Tubing
- Safety Valve : The operation at 58.6 kPa



Model No. : ONV-WP-NB-015

BJ-015 (Bubble Jet Type)

Description

Dual action reusable bubble or aerosol humidifier for choice of humidification levels. Provide high out-put unheated aerosol to increase relative humidity for respiratory therapy.

Feature

- Humidification Method : Gas Powered Type
- Medical oxygen with purity of 99.5% or higher
- Standard Pressure : 393 kPa (4.0 ± 0.5 kgf/cm²)
- Use Pressure : 345 kPa (3.5 kgf/cm²)
- Maximum Supply Flow rate : within 60 N LPM
- Humidifier (At 36.5°C)
- Bubble Mode : 27% at 10.3 mg/L
- Jet Mode : 41% at 17.5 mg/L



Model No. : ONV-WP-BJ-015



ASPIRATORS FOR MEDICAL

Continuous Suction Unit (Quick Separate Type)

Feature

- Use Gas : Medical Vacuum
- Standard Suction Pressure : 40 to -101.3 kPa (-300 to -760 mmHg)
- Suction Pressure Control Range : 0.133 to -26.6 kPa (-1 to -200 mmHg)
- Maximum Suction Air Flow rate : 20 LPM
- Safety Device : Overflow Protector

Construction

- Vacuum regulator assembly (Slide & Hook base wall bracket)
- Durable ABS housing cover (One touch clamp)
- Unbreakable polycarbonate collection bottle 1.2L (1,200cc)



GOOD DESIGN



Model No. : ONV-S-W02



Model No. : ONV-S-W01



Two Bottle Suction Unit (Trap Bottle Type)

Feature

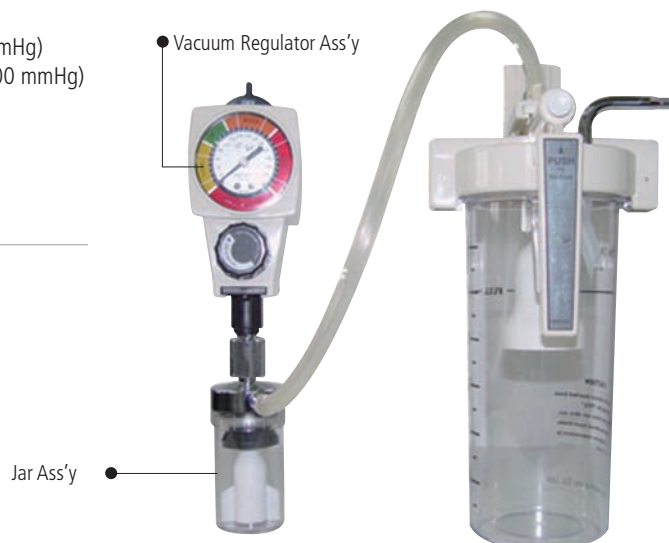
- Use Gas : Medical Vacuum
- Standard Suction Pressure : 40 to -101.3 kPa (-300 to -760 mmHg)
- Suction Pressure Control Range : 0.133 to -26.6 kPa (-1 to -200 mmHg)
- Maximum Suction Air Flow rate : 20 LPM
- Minimum Exhaust Flow rate : 1.5 LPM
- Safety Device : Overflow Protector

Construction

- Vacuum regulator ass'y (Direct vacuum adapter)
- BS Head Ass'y (Applied Diss adapter core)
- Unbreakable polycarbonate collection bottle 0.1L
- Drainage Unit : 1.2 L (Option)

Trap Bottle

Drainage Unit (Option)



Model No. : ONV-WP-S-W01-TB

ASPIRATORS FOR MEDICAL

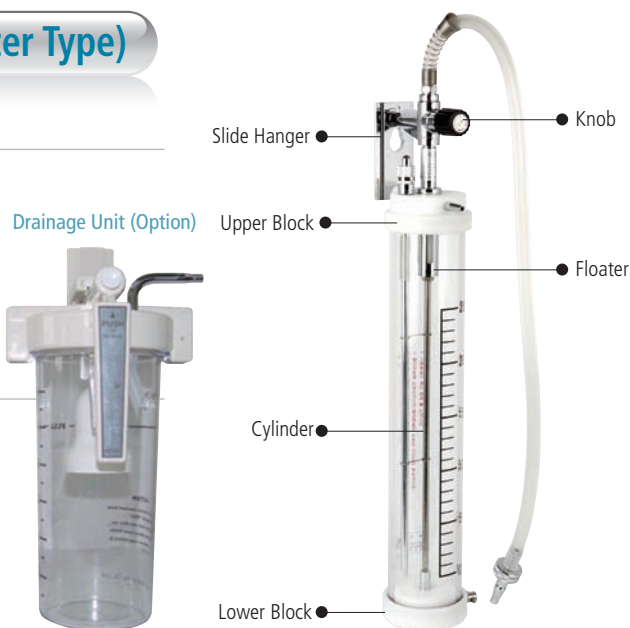
Thoracic Suction Unit (Water Manometer Type)

Feature

- Water manometer type (Use Gas : Medical Vacuum)
- Standard Pressure : -66 to 101.3 kPa (-500 to -760 mmHg)
- Use Pressure : -0.13 to -2.45 kPa (-1 to -18.4 mmHg)
- Suction Flow rate : Min. 15 LPM
- Collection Unit provide reliable over flow protection
- Drainage Unit : 1.2L (Option)

Construction

- Upper Block Ass'y
(Suction control knob, Overflow Protection, Slide Hanger)
- Acrylic Cylinder : 0.8 L
- Lower Block Ass'y (Drain Valve, Clamping Nut)



Model No. : ONV-WP-S-TS250

Movable Suction Unit (Movable Kick Type)

This device is medical device that is used in surgery surgical operation area, recovery room, emergency area at hospital which terminal port of medical treatment gas piping equipment is established and is used in please that continuous suction as high capacity device of comparative high vacuum pressure -40 to -101.3 kPa

Feature

- Movable kick type (Use Gas : Medical Vacuum)
- Standard Pressure : -40 to -101.3 kPa (-300 to -750 mmHg)
- Use Pressure : -101.3 kPa (-750 mmHg)
- Suction Flow rate : Min. 20 LPM
- Collection Bottle Capacity : 8 L

Construction

- Cap Ass'y : Applied Power Nipple, Patient Nipple
(Suction control knob, Overflow Protection, P/Gauge)
- Collection Bottle : 8 L
- Protection Cart

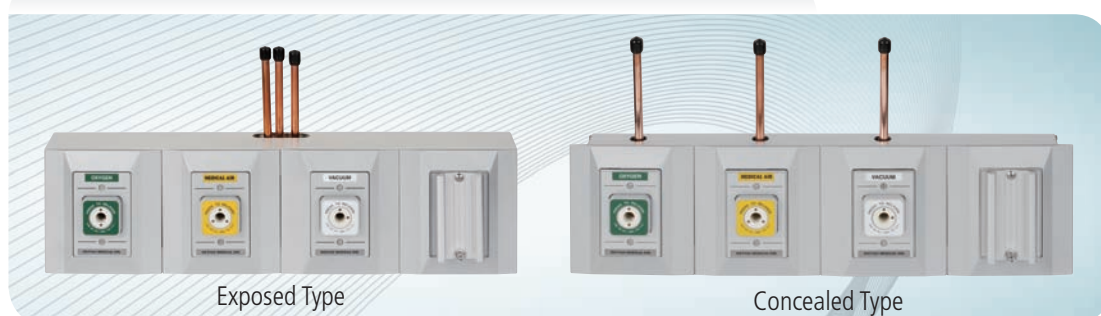


Model No. : ONV-WP-S-MS8000



WALL OUTLET & LATCH VALVE

Wall Outlet



Description

Wall outlet is divided into exposed and imposed types, according to latch valve style and standard the production which is composed with O₂, N₂O, Air, Vacuum is possible.

Model (Outlet Type)						
Gas	Pin Index	Pin Index Push Button	Puritan Bennett	Ohmeda	Oxequip	Diss
O, V	ONV-WO-PI-2F	ONV-WO-PP-2F	ONV-WO-PB-2F	ONV-WO-OH-2F	ONV-WO-OX-2F	ONV-WO-DI-2F
O, A, V	ONV-WO-PI-3F	ONV-WO-PP-3F	ONV-WO-PB-2F	ONV-WO-OH-2F	ONV-WO-OX-2F	ONV-WO-DI-2F
O, N, A, V	ONV-WO-PI-4F	ONV-WO-PP-4F	ONV-WO-PB-2F	ONV-WO-OH-2F	ONV-WO-OX-2F	ONV-WO-DI-2F

Latch Valve for Gas Outlet



Pin Index Push Type



Ohmeda Type



Medstar / Oxequip Type



Diss Type



MEDICAL GAS OUTLET OF ADAPTER & COUPLER

Adapter of Gas Outlet

Medstar / Oxequip Type



Diss Type



Ohmeda Type



Puritan Bennett Type



Pin Index Screw Type



Schrader Type



Pin Index Hose Type



Chemitron Type





Coupler of Gas Outlet

Medstar / Oxequip Type



Ohmeda Ceiling Type



Puritan Bennett Type



Schrader Type



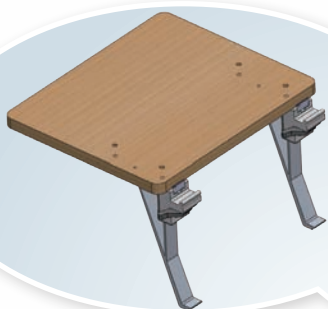
Parts No.	Part Name	Remark
ONV-ME-AD-N2-18	MEDSTAR ADPTER 1/8" MNPT N2O	
ONV-ME-AD-AI-18	MEDSTAR ADAPTER 1/8" MNPT AIR	
ONV-ME-AD-OX-18	MEDSTAR ADAPTER 1/8" MNPT OXYGEN	
ONV-ME-AD-VA-18	MEDSTAR ADAPTER 1/8" MNPT VACUUM	
ONV-ME-CO-N2-18	MEDSTAR/OXEQUIP COUPLER 1/8" FPT N2O	
ONV-ME-CO-AI-18	MEDSTAR/OXEQUIP COUPLER 1/8" FPT AIR	
ONV-ME-CO-OX-18	MEDSTAR/OXEQUIP COUPLER 1/8" FPT OXYGEN	
ONV-ME-CO-VA-18	MEDSTAR/OXEQUIP COUPLER 1/8" FPT VACUUM	
ONV-ME-CO-NP-14	MEDSTAR/OXEQUIP COUPLER 1/4" MNPT	
ONV-PB-CO-N2-18	PB COUPLER 1/8" FPT NO LABEL N2O	
ONV-PB-CO-AI-18	PB COUPLER 1/8" FPT NO LABEL AIR	
ONV-PB-CO-OX-18	PB COUPLER 1/8" FPT NO LABEL OXYGEN	
ONV-PB-CO-VA-18	PB COUPLER 1/8" FPT NO LABEL VACUUM	
ONV-PB-CO-WA-18	PB COUPLER 1/8" FPT NO LABEL WAGD	
ONV-PB-CO-N2-14	PB COUPLER 1/4" FPT NO LABEL N2O	
ONV-PB-CO-WA-14	PB COUPLER 1/4" FPT NO LABEL WAGD	
ONV-SH-CO-N2-18	SHRADER COUPLER 1/8" FNPT N2O	
ONV-SH-CO-AI-18	SHRADER COUPLER 1/8" FNPT AIR	
ONV-SH-CO-OX-18	SHRADER COUPLER 1/8" FNPT OXYGEN	
ONV-SH-CO-VA-18	SHRADER COUPLER 1/8" FNPT VACUUM	
ONV-SH-CO-SOX-18	SHRADER COUPLER 1/8" FNPT SPECIAL AIR	
ONV-SH-CO-MOX-18	SHRADER COUPLER 1/8" MNPT OXYGEN	
ONV-PI-AD-OX-14	INT'L FTNG JAPANESE MAIL OXY 1/4" HB	
ONV-PI-AD-AI-14	INT'L FTNG JAPANESE MAIL AIR 1/4" HB	
ONV-PI-AD-VA-14	INT'L FTNG JAPANESE MAIL VACCUM 1/4" HB	
ONV-PI-AD-N2-14	INT'L FTNG JAPANESE MAIL N2O 1/4" HB	
ONV-PB-AD-WA-18	PB ADAPTER 1/8" MNPT WAGD	



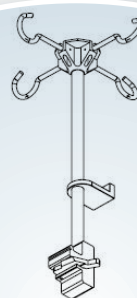
ACCESSORY PARTS

Optional Accessory

Monitor Shelf



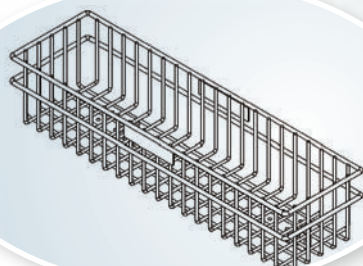
Infusion Holder



Monitor Bracket



Basket





Race way rail (Patent)



IFORVISION



IFORVISION

Based on color impulse therapy technology and ease of use, the new CIT-100 is ground-breaking device which prevents loss of eyesight and recover eyesight. By combination of respective illumination level, time, shape, and order regarding frequency and energy of three LED colors (RED, GREEN, BLUE), the light ray, through eye, is absorbed, which makes the best effect for sight improvement. CIT-100 consists of electromagnetic radiation, radiation-illuminating part, light control part, special glasses with emitter of within fields of view.

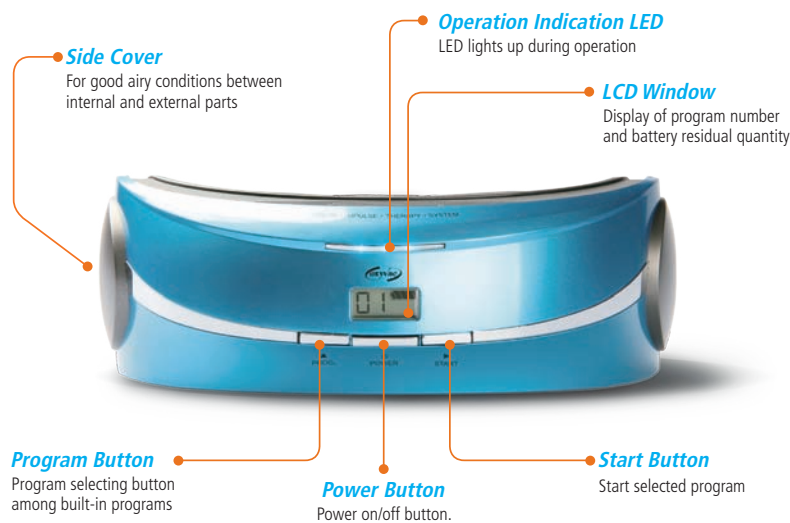




IFORVISION CIT-100

Patent Application No.10-2010-89795

FORVISION



Feature

- Color impulse therapy with three LED sources (Red, Green and Blue)
- Eyesight improvement and recovery by color impulse therapy
- Prevention against falling of eyesight
- Beneficial effects of releasing stress, recovering fatigue, deep sleeping, and mental & physical stability
- Slim and ergonomic design for comfortable use
- Portable design for anytime and anywhere use

How to use

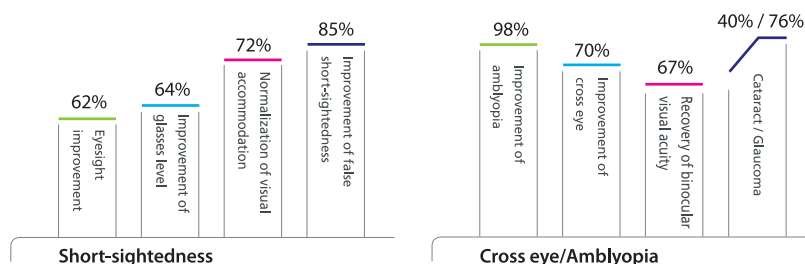
One cycle of 6 weeks			
The first two weeks	The first one week break	The second two weeks	The second one week break

Operating rules

*During break week, try to do daily massage of five to ten times around eyes by making circle, which is helpful.



Examples regarding results of eyesight improvement



• Source
Professor T.P.T in science academy